the third multiplier performs a fixed multiplication by a factor of 2; and

the fourth and fifth multipliers multiply the applied data values by the values of normalized secondary interpolating instants d and d/2, respectively, the normalized secondary interpolating instant d being formed by normalizing a secondary interpolating instant t^*_{in} to the secondary sampling rate T^*, with $d = t^*_{in} /T^*$, and the secondary interpolating instant t^*_{in} being referred to the closest secondary sample value [(ss, sp*)].

6.(Amended)   The filter combination according to claim 1, wherein a gang switch controlled by the normalized interpolating instant dp and having at least a first switch position [(p1)] and a second switch position [(p2)] is interposed between the outputs of the discrete-time filter [(1)] and the inputs of the continuous-time interpolation filter [(2)].

7.(Amended)   The filter combination according to claim 6, wherein the first switch position [(p1)], the first, second, and third outputs of the discrete-time filter [(1)] are connected, respectively, to the first, second, and third inputs of the continuous-time interpolation filter [(2)], and wherein the second switch position [(p2)], the second, third, and fourth outputs of the discrete-time filter [(1)] are connected, respectively, to the